

From: [Young, Howard S.](#)
To: [Zhen, Davis](#); [Scott Coffey](#); [Sheldrake, Sean](#)
Subject: RE: Change Request 02 - Survey Control Points
Date: Monday, April 16, 2018 9:53:25 AM

I took a quick look and this doesn't meet the needs. Information missing is:

- No mention of use or no use of the handheld GPS that is in the original SOP
- No mention of the changed frequency of morning check only
- No map showing the location of the new benchmark.
- No survey data demonstrating the decimeter accuracy of the new bench mark.
- No discussion of how the offset between the pier bench mark and the GPS antenna on the boat will be determined.
- No discussion of how the check will be documented, accuracy calculated, and available for EPA to review on ongoing basis.

Howard

From: Zhen, Davis <Zhen.Davis@epa.gov>
Sent: Monday, April 16, 2018 9:28 AM
To: Coffey, Scott <CoffeySE@cdmsmith.com>; Young, Howard S. <younghs@cdmsmith.com>; Sheldrake, Sean <sheldrake.sean@epa.gov>
Subject: Fwd: Change Request 02 - Survey Control Points
Here is the request from AECOM.

Thanks,

Sent from my iPhone, please excuse typos

Davis Zhen, Manager
Environmental Cleanup Unit 2
Office of Environmental Cleanup
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M/S ECL – 122, [Seattle, WA 98101](#)
Tel: [\(206\) 553-7660](tel:(206)553-7660)
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Begin forwarded message:

From: "Tyrrell, Ken" <ken.tyrrell@aecom.com>
Date: April 16, 2018 at 9:26:40 AM PDT
To: "Zhen, Davis" <Zhen.Davis@epa.gov>
Subject: Change Request 02 - Survey Control Points

Davis,
As we discussed, attached is change request 02 which is focused on survey control points.

Please give me a call to discuss if you have any questions or concerns.

Ken Tyrrell

Executive Vice President

Project Coordinator – Portland Harbor

Design and Consulting Services Group

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